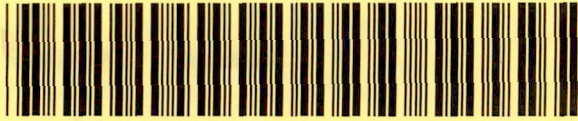


496IHSSF3420



DocumentID NONCD0002738

Site Name WILSON PEST CONTROL

DocumentType Progress/Monitoring Rpt (PRGMON)

RptSegment

DocDate 11/14/2011

DocRcvd 11/15/2011

Box SF3420

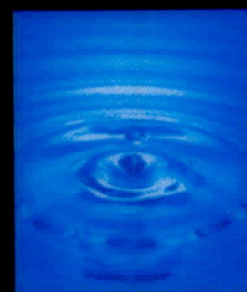
AccessLevel PUBLIC

Division WASTE MANAGEMENT

Section SUPERFUND

Program IHS (IHS)

DocCat FACILITY



 Hart & Hickman



OUR CLIENTS DEMAND A SMARTER SOLUTION

Via FedEx

November 14, 2011

NC DENR – DWM
Inactive Hazardous Sites Branch
585 Woughtown Street
Winston-Salem, NC 27017

Attention: Mr. Collin Day

Re: Ground Water Monitoring Report
401 West End Blvd. Property
Winston-Salem, North Carolina
H&H Job No. BDP-005

Dear Mr. Day:

Per your request, we are providing the attached Ground Water Monitoring Report for the above referenced site. Surface water and sediment sample results from Peters Creek are included. Should you have any questions or need additional information, please do not hesitate to contact me at (704) 586-0007.

Very truly yours,

Hart & Hickman, PC

Matt Bramblett, PE
Principal and Project Manger

Attachments

Cc: Mr. Don Nielsen, BDP (2 copies via mail and PDF via email)

RECEIVED
N.C. DEPT. OF ENVIRONMENT & NATURAL RESOURCES

NOV 15 2011

Winston-Salem
Regional Office

Hart & Hickman, PC
2923 South Tryon Street
Suite 100 Charlotte, NC
28203-5449

704-586-0007 phone
704-586-0373 fax
www.harthickman.com

Ground Water Monitoring Report Former Wilson Pest Control Winston-Salem, North Carolina

H&H Job No. BDP-005

November 14, 2011

RECEIVED
N.C. Dept. of ENR

NOV 15 2011

Winston-Salem
Regional Office



2923 South Tryon Street
Suite 100
Charlotte, NC 28203
704-586-0007

3334 Hillsborough Street
Raleigh, NC 27607
919-847-4241

#C-1269 Engineering
#C-245 Geology

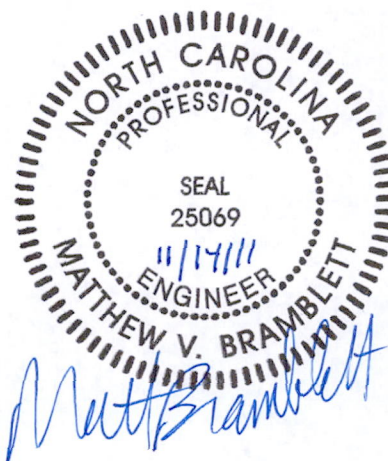


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**Ground Water Monitoring Report
Former Wilson Pest Control Property
Winston-Salem, North Carolina
H&H Job No. BDP-005**

1.0 Introduction

Hart & Hickman, PC (H&H) has completed ground water monitoring activities at the former Wilson Pest Control property located at 401 West End Boulevard in Winston-Salem, NC (Figure 1). A site map is provided as Figure 2. This report was prepared on behalf of Mr. Hugh Wilson III c/o Bell Davis and Pitt.

1.1 Site History

Soil and ground water impacts are present at the property which formerly occupied by the Wilson Pest Control business. The property was purchased in 1952 to develop a pest control business. Wilson Pest Control operated until 1996. While Mr. Hugh Wilson, III currently owns the subject property, the property was previously leased to Wilson Pest Defense, a division of Centex Pest Management. Mr. Wilson did not work for or own Wilson Pest Defense. The site is currently vacant.

1.2 Previous Sampling Events

Low Turbidity Sampling

H&H began monitoring the former Wilson Pest Control property in September 2006, although previous groundwater monitoring had been conducted at this site by others. H&H scheduled another monitoring event in February 2007 at the request of the North Carolina Department of Environment and Natural Resources (DENR) Aquifer Protection Section (APS) in a letter dated October 9, 2006. During the 2006 and 2007 sampling events, H&H obtained samples using low-flow purging with a peristaltic pump to minimize turbidity. Because pesticides adhere to sediment, dissolved-phase pesticide concentrations can be overstated if special attention is not

given to obtaining low turbidity samples. The US EPA recommends turbidity readings to be 10 NTUs or less for this type of sampling.

Samples from each well were analyzed for non-filtered and filtered chlorinated pesticides in September 2006. However, in February 2007, all samples were analyzed for non-filtered chlorinated pesticides only, with the exception of MW-1 because the depth of water did not allow for low-flow purging techniques. MW-1 was sampled for filtered chlorinated pesticides in February 2007. Non-filtered samples from the subject site contained 1.36 to 12.06 NTUs, and the filtered samples contained 0.72 to 4.5 NTUs (Table 2). The water samples were visually clear, and the above numbers indicate that samples were low turbidity samples.

Chlorinated pesticides were detected above North Carolina ground water standards, as defined in 15A NCAC 2L regulations, in only two of the seven monitoring wells during the 2006 and 2007 monitoring events (Table 2). Chlordane was detected above its ground water standard of 0.1 µg/l in MW-3 at 1.6 µg/l (2006) and 1.16 µg/l (2007), and MW-7 at 5.25 µg/l (2006) and 5.02 µg/l (2007). Dieldrin was also detected above its standard of 0.002 µg/l in MW-7 at 8.34 µg/l (2006) and 6.97 µg/l (2007). No other chlorinated pesticide detections exceeded ground water standards.

Additional Groundwater Sampling

DENR requested a groundwater sampling event in 2009 and H&H conducted the event. Because of the irregular timing of the sampling events and because the site became vacant, the hazardous waste generator status had been discontinued. Therefore, H&H sought a no purge sampling method that does not generate hazardous waste. H&H used HydraSleeve no purge samplers with DENR's approval. The sampling event produced comparable groundwater pesticide concentrations, although the HydraSleeve samplers did not yield low turbidity samples. Chlordane and dieldrin impacts in groundwater were detected in this event.

Stream and Sediment Sampling

In DENR's 2006 and 2009 letters, they requested collection of three surface water samples and four sediment samples from Peters Creek which runs adjacent to the western portion of the Wilson Pest Control property. These samples were taken during the 2007 and 2009 monitoring events. No chlorinated pesticides were detected in the samples collected from Peters Creek. Based on a review of the receptor survey in the Comprehensive Site Assessment dated February 5, 2002 by the former consultant Engineering Tectonics, PA, Peters Creek is the only receptor of concern in the area.

1.3 Request for Additional Monitoring

In a letter dated September 12, 2011, DENR's Division of Waste Management (DWM) of the Winston- Salem Regional Office (WSRO) requested another groundwater, surface water and sediment sampling event for the subject site. H&H contacted Mr. Collin Day with the WSRO to inform him that sampling would be taking place on October 10 and 11, 2011. Mr. Collin Day indicated that he would not be able to meet H&H during field activities due to a schedule conflict; however, he stated that H&H should proceed with the sampling in his absence.

Similar to the 2009 event, H&H sampled the monitoring wells MW-1 through MW-7 using a HydraSleeve no purge sampler so as not to generate purge water drums. A larger HydraSleeve sampler was used in this sampling event to lower the turbidity compared with the 2009 event. H&H previously confirmed with Mr. Collin Day of DENR that the HydraSleeve sampling technique was acceptable.

2.0 Ground Water/Surface Water Monitoring

This monitoring report summarizes the field activities performed and the data acquired from the monitoring event in October 2011. Monitoring included collection of water level data, ground water samples from seven on-site monitoring wells, and surface water and sediment samples from Peters Creek.

2.1 Ground Water Levels and Flow Direction

Water levels in site monitoring wells were gauged using an electronic water level meter on October 10, 2011 (Table 1). The depth to ground water ranged from approximately 26 ft below grade in the upgradient well to approximately 14 ft below grade in the source area and downgradient areas of the subject property. The estimated shallow potentiometric map constructed from October 2011 ground water elevation data is presented on Figure 3. Consistent with previous data, the ground water flow direction in the shallow aquifer is generally to the west toward Peters Creek.

2.2 Ground Water Sampling

After water levels were gauged, large diameter HydraSleeve no-purge samplers were placed in each well on October 10, 2011 and allowed to stay approximately 24 hours for turbidity to settle.

On October 11, 2011, H&H returned to the site to retrieve the HydraSleeve samplers and obtain pH, conductivity, and temperature readings in-situ, after retrieval of the groundwater samples. All of the samples were visually clear. Final turbidity readings were taken from a small portion of sample water remaining in HydraSleeve sampler.

The US EPA recommends turbidity readings to be 10 NTUs or less. Samples from MW-6, the deep well, and MW-4 read 4.15 and 7.24 NTUs, respectively, while the others ranged from 15.25 to 32.93 NTUs. These turbidity levels are lower than those measured in the 2009 sampling event, and H&H recommends that the larger HydraSleeve samplers be used for any future groundwater monitoring events. Although some of the measured turbidity levels are slightly

higher than the recommended level, the levels were all relatively low; the samples were visually clear; and the potential for significant affect on chlorinated pesticide concentrations is considered to be low.

Ground water samples were collected from shallow monitoring wells MW-1 through MW-5 and MW-7. Deeper monitoring well MW-6 was also sampled. The ground water samples were analyzed for chlorinated pesticides by EPA Method 8081A.

Laboratory analyses were conducted by TestAmerica, a North Carolina-certified laboratory. Dedicated laboratory-supplied sample bottles were used for sample collection. A chain-of-custody record was completed for samples collected and included sample description, date collected, time collected, matrix, sample container information, and analyses required. The chain-of-custody was signed by H&H and placed along with the samples in a chilled cooler for hand delivery to the laboratory by H&H. Copies of the laboratory analytical data sheets and chain-of-custody record are provided in Appendix A.

Chlorinated pesticides were detected above North Carolina ground water standards, as defined in 15A NCAC 2L regulations, in only two of the seven monitoring wells (Table 2). Dieldrin was detected in MW-4 (0.95 µg/l) and MW-7 (9.2 µg/l) exceeding its standard of 0.002 µg/l. A dieldrin isoconcentration map is included as Figure 4. No other chlorinated pesticide detections exceeded ground water standards. The ground water plume is located within the boundaries of the subject property.

As noted in Table 2, ground water dieldrin concentrations detected in October 2011 are similar to historical concentrations at the site. These data indicate that the plume is stable. In October 2011, Dieldrin concentrations in MW-4 and MW-7 were slightly higher, while chlorinated pesticides that were historically detected in MW-3 were not detected during this event.

Total chlordane, which has historically been detected in several monitoring wells, was not detected during the October 2011 sampling event. H&H believes this may be due, in part, to

higher reporting limits of total chlordane for select monitoring wells. H&H contacted Mr. Ken Hayes with TestAmerica who indicated that the high total chlordane reporting limits were due to matrix interference and could not be reduced. However, based on non-detection at low reporting limits for two chlordane isomers (alpha-chlordane and gamma-chlordane), it is unlikely that total chlordane is present above these low isomer detection limits. A letter of explanation provided by the laboratory is included in Appendix B.

2.3 Surface Water and Sediment Sampling

H&H collected stream surface water and sediment samples from Peters Creek on October 10, 2011. This sampling took place more than 48 hours after the last rain event. At DENR's request, H&H collected three surface water samples and four sediment samples. The surface water and sediment samples were collected upgradient, adjacent to, and downgradient of the former Wilson Pest Control site (Figure 2). The fourth sediment sample was collected further downgradient of the site at a location near the upgradient end of Hanes Park (Figure 1). H&H collected surface water samples by placing the laboratory vials into the center of the stream surface at an angle with care taken to obtain relatively clear samples. H&H collected the sediment samples from adjacent to the stream channel at approximately 0.5 ft below the surface using a decontaminated stainless steel trowel.

Surface water and sediment samples were analyzed for chlorinated pesticides by EPA Method 8081A. No pesticides were detected in the stream or sediment samples (Table 3 and Appendix B). Based on these data, Peters Creek has not been impacted by the former Wilson Pest Control site.

3.0 Summary

As requested by DENR, H&H collected ground water samples, surface water samples, and sediment samples in October 2011 at the former Wilson Pest Control site in Winston-Salem, NC. The chlorinated pesticide dieldrin was detected (up to 9.2 $\mu\text{g/l}$) in groundwater samples from two monitoring wells above its North Carolina ground water standard (0.002 $\mu\text{g/l}$). Chlorinated pesticides were not detected in the remaining five monitoring wells, including a deeper monitoring well, sampled as part of this monitoring event. The ground water plume is located within the boundaries of the subject property.

Ground water samples were collected using larger diameter HydraSleeve samplers in October 2011 so that hazardous investigation derived purge water would not be generated. Turbidities were slightly higher in the October 2011 samples compared to historical turbidities obtained using low flow purging techniques. Although some of the measured turbidity levels are slightly higher than the recommended level, the levels were all relatively low; the samples were visually clear; and the potential for significant affect on chlorinated pesticide concentrations is considered to be low.

H&H collected stream surface water and sediment samples from Peters Creek. At DENR's request, H&H collected three surface water samples and four sediment samples. The surface water and sediment samples were collected upgradient, adjacent to, and downgradient of the former Wilson Pest Control site. The fourth sediment sample was collected further downgradient of the site at a location near the upgradient end of Hanes Park. No chlorinated pesticides were detected in the stream or sediment samples. Based on these data and previously collected data, Peters Creek has not been impacted by the former Wilson Pest Control site.



Table 1
Monitoring Well Construction and Water Level Data Summary
Wilson Pest Control
Winston-Salem, North Carolina
H&H Job No. BDP-005

Monitoring Well ID	Installation Date	Well TOC Elevation (ft)	Well Depth (ft)	Screen Length (ft)	February 16, 2007		July 13, 2009		October 10, 2011	
					TOC Water Table Depth (ft)	Water Table Elevation (ft)	TOC Water Table Depth (ft)	Water Table Elevation (ft)	TOC Water Table Depth (ft)	Water Table Elevation (ft)
MW-1	12/7/2001	810.96	34	10	26.28	784.68	26.43	784.53	26.85	784.11
MW-2	12/7/2001	799.47	25	10	18.75	780.72	18.79	780.68	18.87	780.60
MW-3	12/7/2001	799.28	25	10	15.49	783.79	15.58	783.70	15.91	783.37
MW-4	12/7/2001	794.77	21	10	15.05	779.72	15.14	779.63	15.15	779.62
MW-5	12/7/2001	793.14	19	10	13.39	779.75	13.65	779.49	13.64	779.50
MW-6	1/1/2002	799.41	43	5	16.40	783.01	16.17	783.24	16.52	782.89
MW-7	1/30/2006	793.83	20	10	13.71	780.12	13.80	780.03	13.86	779.97

Notes:

MW-6 is a Type III monitoring well drilled into bedrock

TOC = Top of well casing

Table 2
Ground Water Analytical Detections
Wilson Pest Control
Winston-Salem, North Carolina
H&H Job No. BDP-005

Sample ID Date Collected	MW-1			MW-2			MW-3				MW-4				MW-5			MW-6			MW-7				2L Standard
	2/21/07	7/23/09	10/11/11	2/16/07	7/23/09	10/11/11	9/15/06	2/16/07	7/23/09	10/11/11	9/15/06	2/16/07	7/23/09	10/11/11	2/16/07	7/23/09	10/11/11	2/16/07	7/23/09	10/11/11	9/15/06	2/16/07	7/23/09	10/11/11	
Field Turbidity (NTUs)	**	1100	32.93	3.21	38.19	31.54	12.06	3.31	880.9	26.18	2.65	2.16	33.5	7.24	2.23	122.7	15.25	1.36	3.78	4.15	9.45	5.73	194.3	17.13	Not Applicable
OCPs (8081A)																									
alpha-Chlordane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.087	0.0940	0.22	<0.0909	<0.05	<0.05	<0.05	<0.25	<0.05	<0.05	<0.0505	<0.05	<0.05	<0.05	0.446	0.494	<0.05	<1	NS
gamma-Chlordane	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.121	0.126	0.25	<0.0909	<0.05	<0.05	<0.05	<0.25	<0.05	<0.05	<0.0505	<0.05	<0.05	<0.05	0.453	0.547	<0.05	<1	NS
Chlordane, Total	<0.05	<0.5	<3	<0.05	<0.5	<3	1.13	1.16	1.60	<5.45	<0.05	<0.05	<0.5	<15	<0.05	<0.5	<3.03	<0.05	<0.5	<3	5.25	5.02	<0.5	<60	0.1
Dieldrin	<0.1	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	0.22	<0.0909	<0.1	<0.1	0.27	0.95	<0.1	<0.05	<0.0505	<0.1	<0.05	<0.05	8.34	6.97	6.7	9.2	0.002
Endrin ketone	<0.1	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.05	<0.0909	1.47	<0.1	<0.05	<0.25	<0.1	<0.05	<0.0505	<0.1	<0.05	<0.05	0.79	1.32	1.5	<1	NS
Endrin	<0.1	<0.05	<0.05	<0.1	<0.05	<0.05	<0.1	<0.1	<0.05	<0.0909	<0.1	<0.1	0.14	<0.25	<0.1	<0.05	<0.0505	NS	<0.05	<0.05	<0.1	<0.1	0.14	<1	NS
Endrin, Total	<0.2	<0.1	<0.1	<0.2	<0.1	<0.1	<0.2	<0.2	<0.1	<0.1818	1.47	<0.2	0.14	<0.5	<0.2	<0.1	<0.11	<0.1	<0.1	<0.1	0.79	1.32	1.64	<2	2

Notes:
All units are µg/l; The number in parenthesis is the EPA Analytical Method
GW = Ground Water; OCPs = Organochlorine Pesticides; NS = Not Specified
Bold indicates exceeds ground water standard
**Turbidity meter malfunctioned, sample was field filtered using 0.45 micron filter because peristaltic pump could not be used for purging.
Samples were taken on 7/23/09 and 10/11/11 with Hydrasleeve no purge samplers

Table 3
Peter's Creek Surface Water and Sediment Data Summary
Wilson Pest Control
Winston-Salem, North Carolina
H&H Job No. BDP-005

Date Collected	Surface Water (µg/l)								
	PCS-1W			PCS-2W			PCS-3W		
	2/16/07	7/23/09	10/10/11	2/16/07	7/23/09	10/10/11	2/16/07	7/23/09	10/10/11
<u>Field Turbidity (NTUs)</u>	3.25	NA	1.25	3.52	NA	1.00	10.53	NA	1.45
<u>OCPs (8081A)</u>	ND	ND	ND	ND	ND	ND	ND	ND	ND

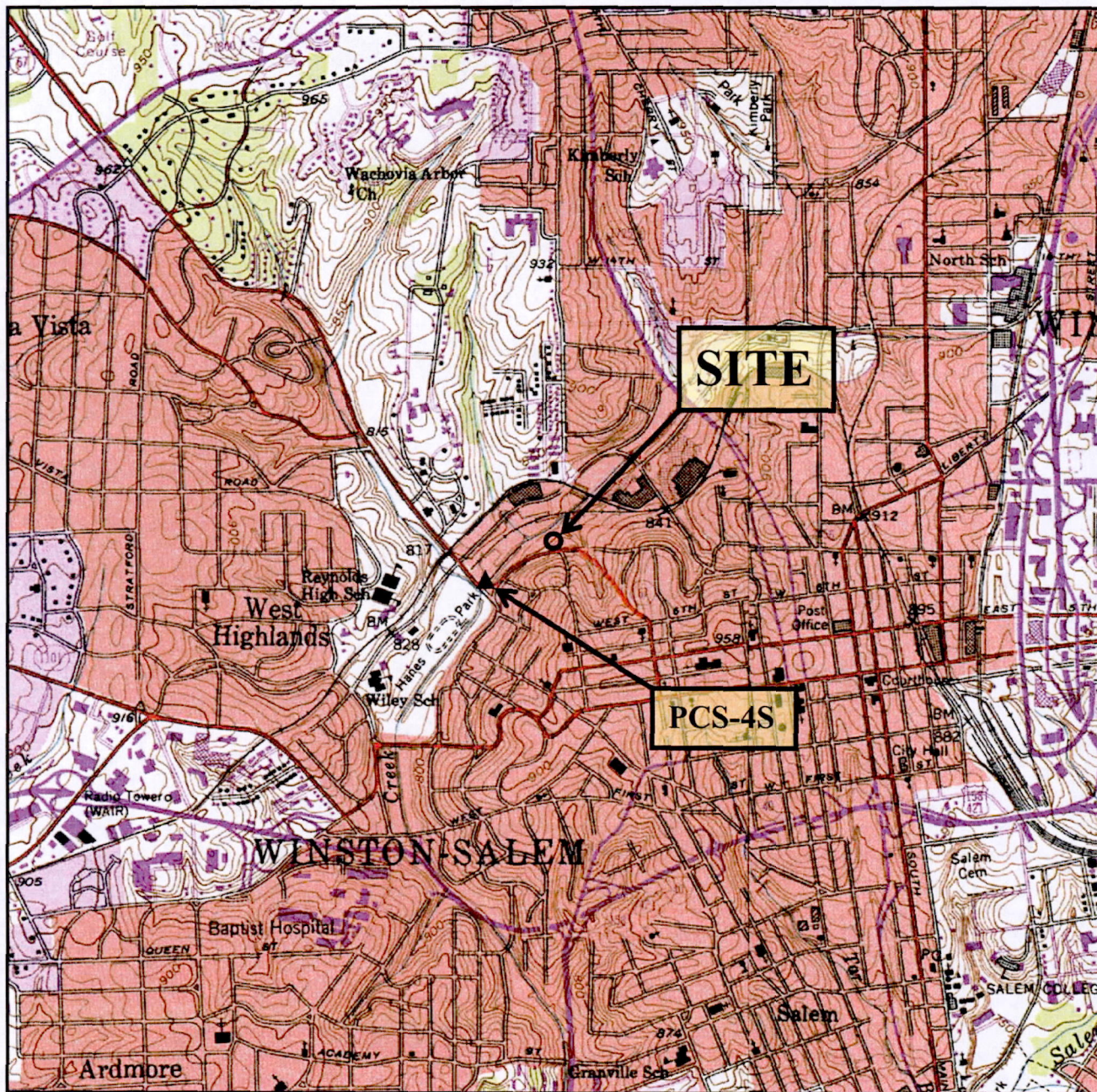
Date Collected	Sediment (µg/kg)											
	PCS-1S			PCS-2S			PCS-3S			PCS-4S		
	2/16/07	7/23/09	10/10/11	2/16/07	7/23/09	10/10/11	2/16/07	7/23/09	10/10/11	2/16/07	7/23/09	10/10/11
<u>OCPs (8081A)</u>	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Notes:

The number in parenthesis is the EPA Analytical Method

GW = Ground Water; OCPs = Organochlorine Pesticides; NS = Not Specified


ND = No OCPs detected; NA = Not Analyzed

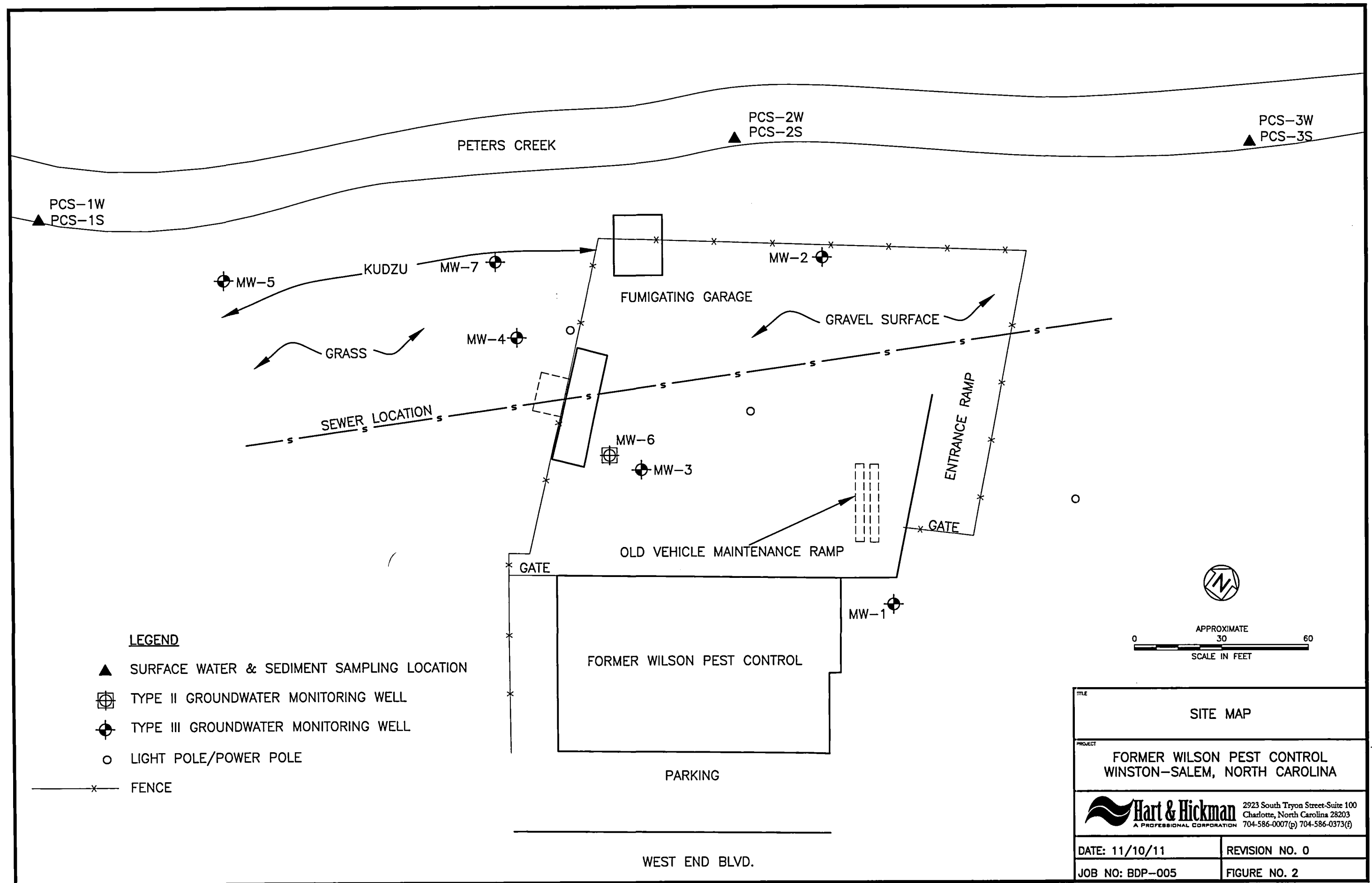


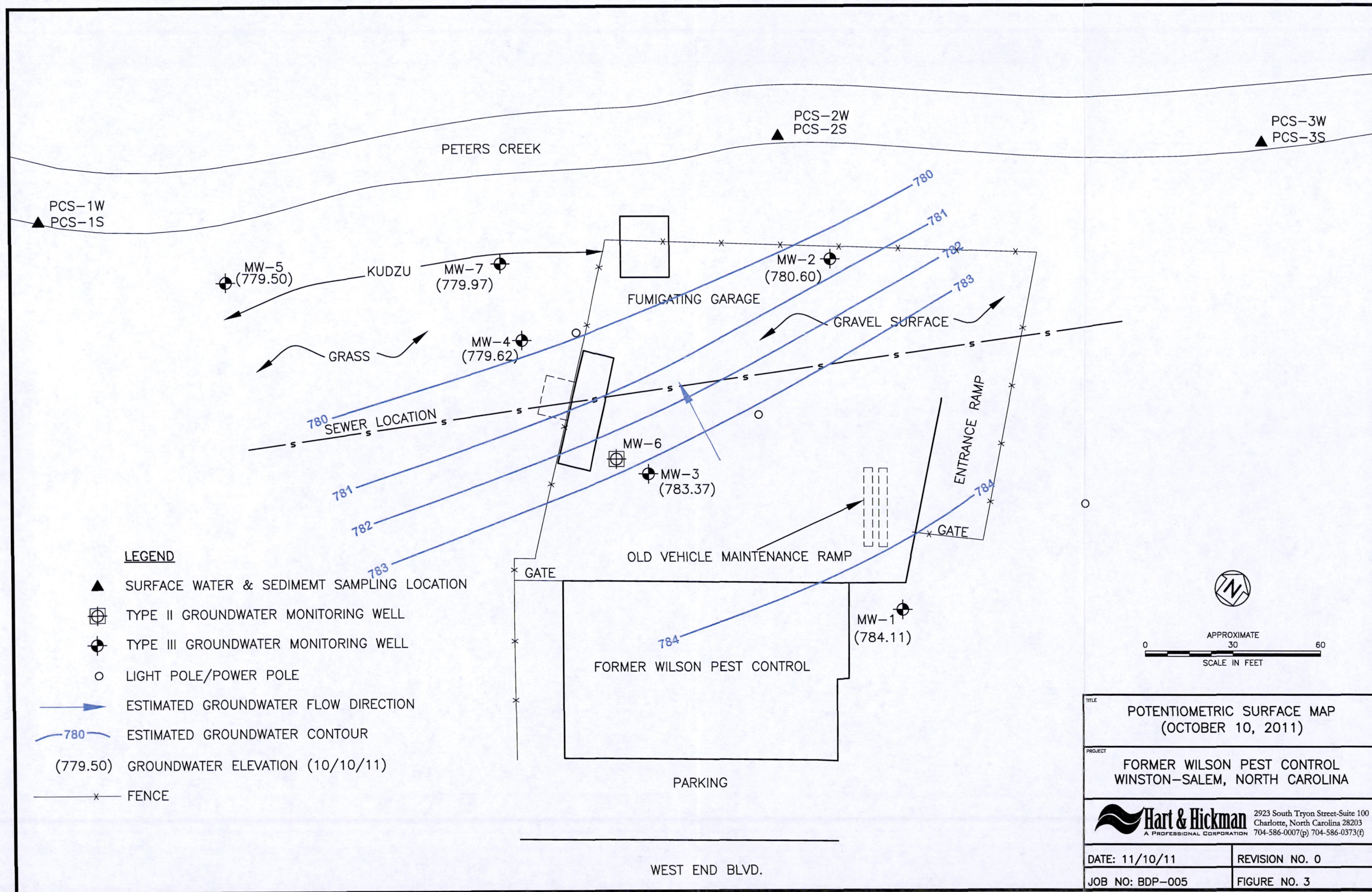
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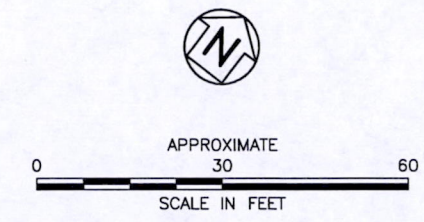
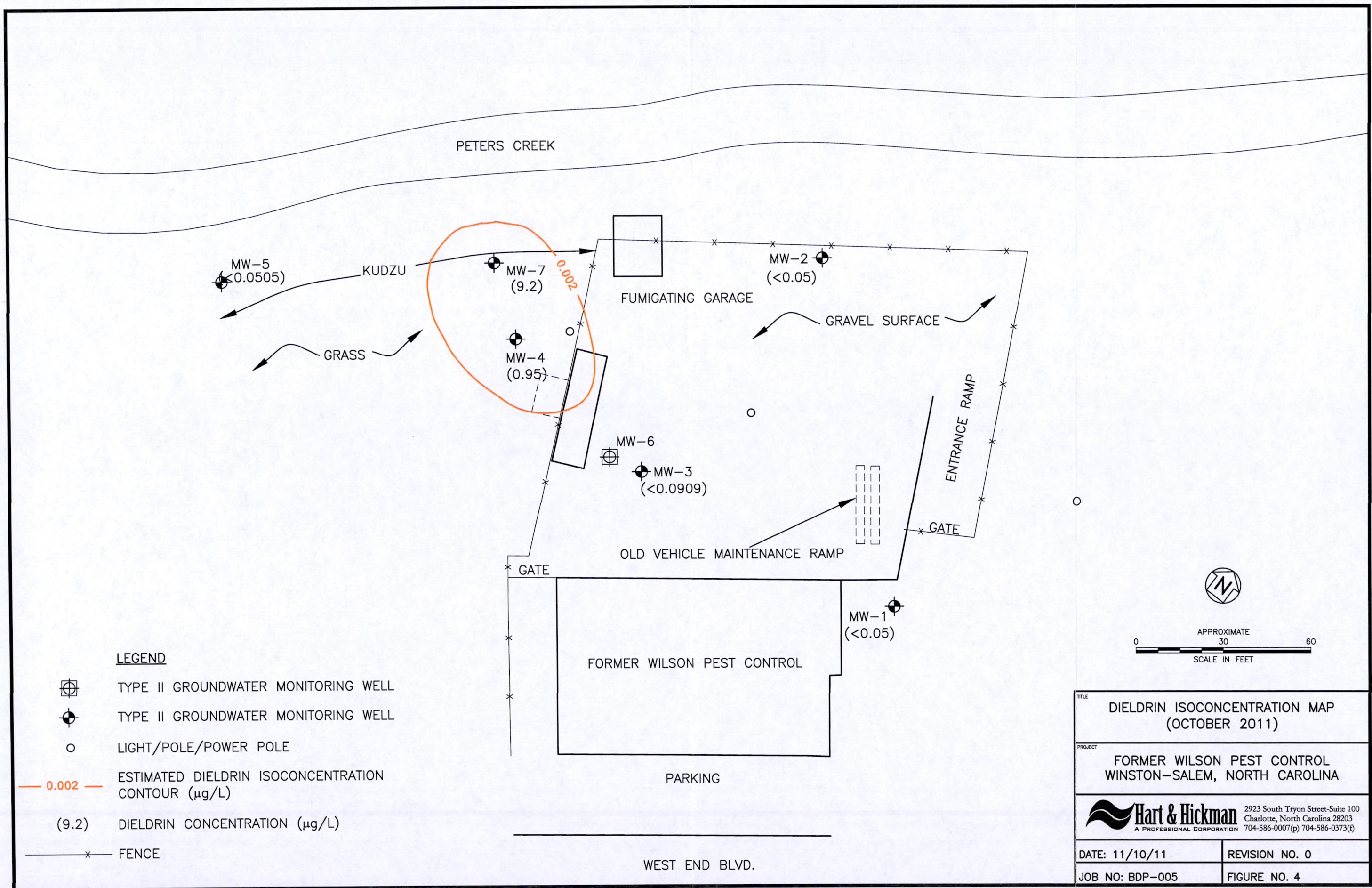
U.S.G.S. QUADRANGLE MAP
WINSTON SALEM WEST N.C. 1950
PHOTOREVISED 1994
WINSTON SALEM EAST N.C. 1950
PHOTOREVISED 1994


QUADRANGLE
7.5 MINUTE SERIES (TOPOGRAPHIC)

TITLE SITE LOCATION MAP	
PROJECT FORMER WILSON PEST CONTROL SITE WINSTON-SALEM, NORTH CAROLINA	
 <div> 2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007 (p) 704-586-0373 (f) </div>	
DATE: 11/10/11	REVISION NO: 0
JOB NO: BDP-005	FIGURE NO: 1







TITLE DIELDRIN ISOCONCENTRATION MAP (OCTOBER 2011)	
PROJECT FORMER WILSON PEST CONTROL WINSTON-SALEM, NORTH CAROLINA	
 2923 South Tryon Street-Suite 100 Charlotte, North Carolina 28203 704-586-0007(p) 704-586-0373(f)	
DATE: 11/10/11	REVISION NO. 0
JOB NO: BDP-005	FIGURE NO. 4



Appendix A

Laboratory Analytical Data

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Nashville
2960 Foster Creighton Road
Nashville, TN 37204
Tel: 800-765-0980

TestAmerica Job ID: NUJ1766

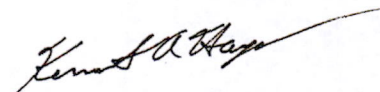
Client Project/Site: BDP-005

Client Project Description: Former Wilson Pest

For:

Hart & Hickman (2162)
2923 South Tryon Street, Suite 100
Charlotte, NC 28203-5449

Attn: Matt Bramblett



Authorized for release by:
10/20/2011 02:58:50 PM

Ken A. Hayes
Senior Project Manager
ken.hayes@testamericainc.com

LINKS

Review your project
results through

TotalAccess

Have a Question?



Visit us at:

www.testamericainc.com

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Chain of Custody	27

Sample Summary

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
NUJ1766-01	PCS-1W	Water	10/10/11 14:55	10/13/11 07:40
NUJ1766-02	PCS-1S	Soil	10/10/11 15:00	10/13/11 07:40
NUJ1766-03	PCS-2W	Water	10/10/11 15:20	10/13/11 07:40
NUJ1766-04	PCS-2S	Soil	10/10/11 15:25	10/13/11 07:40
NUJ1766-05	PCS-3W	Water	10/10/11 15:50	10/13/11 07:40
NUJ1766-06	PCS-3S	Soil	10/10/11 15:55	10/13/11 07:40
NUJ1766-07	PCS-4S	Soil	10/10/11 16:15	10/13/11 07:40
NUJ1766-08	MW-1	Water	10/11/11 12:10	10/13/11 07:40
NUJ1766-09	MW-3	Water	10/11/11 12:20	10/13/11 07:40
NUJ1766-10	MW-6	Water	10/11/11 12:35	10/13/11 07:40
NUJ1766-11	MW-2	Water	10/11/11 12:55	10/13/11 07:40
NUJ1766-12	MW-4	Water	10/11/11 13:25	10/13/11 07:40
NUJ1766-13	MW-7	Water	10/11/11 13:45	10/13/11 07:40
NUJ1766-14	MW-5	Water	10/11/11 14:00	10/13/11 07:40

Definitions/Glossary

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Qualifiers

Pesticides

Qualifier	Qualifier Description
MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
E	Concentration exceeds the calibration range and therefore result is semi-quantitative.
MNR	No results were reported for the MS/MSD. The sample used for the MS/MSD required dilution due to the sample matrix. Because of this, the spike compounds were diluted below the detection limit.
RL1	Reporting limit raised due to sample matrix effects.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: PCS-1W

Lab Sample ID: NUJ1766-01

Date Collected: 10/10/11 14:55

Matrix: Water

Date Received: 10/13/11 07:40

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
delta-BHC	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
alpha-BHC	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
beta-BHC	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
gamma-BHC (Lindane)	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
alpha-Chlordane	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
gamma-Chlordane	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Chlordane	ND		3.06		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
4,4'-DDD	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
4,4'-DDE	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
4,4'-DDT	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Dieldrin	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Endosulfan I	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Endosulfan II	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Endosulfan sulfate	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Endrin	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Endrin aldehyde	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Endrin ketone	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Heptachlor	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Heptachlor epoxide	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Methoxychlor	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 14:52	1.00
Toxaphene	ND		2.04		ug/L		10/13/11 15:44	10/14/11 14:52	1.00

Surrogate	% Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	91		38 - 150	10/13/11 15:44	10/14/11 14:52	1.00
Decachlorobiphenyl	64		10 - 141	10/13/11 15:44	10/14/11 14:52	1.00

Client Sample ID: PCS-1S

Lab Sample ID: NUJ1766-02

Date Collected: 10/10/11 15:00

Matrix: Soil

Date Received: 10/13/11 07:40

Percent Solids: 85.2

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
delta-BHC	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
alpha-BHC	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
beta-BHC	ND	RL1	0.0385		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
gamma-BHC (Lindane)	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
alpha-Chlordane	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
gamma-Chlordane	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
Chlordane	ND	RL1	0.778		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
4,4'-DDD	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
4,4'-DDE	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
4,4'-DDT	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
Dieldrin	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
Endosulfan I	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
Endosulfan II	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
Endosulfan sulfate	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0
Endrin	ND	RL1	0.0198		mg/kg dry	✱	10/15/11 08:19	10/19/11 05:41	10.0

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: PCS-1S

Date Collected: 10/10/11 15:00

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-02

Matrix: Soil

Percent Solids: 85.2

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin aldehyde	ND	RL1	0.0198		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:41	10.0
Endrin ketone	ND	RL1	0.0198		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:41	10.0
Heptachlor	ND	RL1	0.0198		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:41	10.0
Heptachlor epoxide	ND	RL1	0.0198		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:41	10.0
Methoxychlor	ND	RL1	0.0385		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:41	10.0
Toxaphene	ND	RL1	0.778		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:41	10.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		21 - 145				10/15/11 08:19	10/19/11 05:41	10.0
Decachlorobiphenyl	100		25 - 150				10/15/11 08:19	10/19/11 05:41	10.0

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	85.2		0.500		%		10/17/11 17:00	10/18/11 13:53	1.00

Client Sample ID: PCS-2W

Date Collected: 10/10/11 15:20

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-03

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
delta-BHC	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
alpha-BHC	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
beta-BHC	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
gamma-BHC (Lindane)	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
alpha-Chlordane	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
gamma-Chlordane	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Chlordane	ND		3.06		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
4,4'-DDD	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
4,4'-DDE	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
4,4'-DDT	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Dieldrin	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Endosulfan I	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Endosulfan II	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Endosulfan sulfate	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Endrin	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Endrin aldehyde	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Endrin ketone	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Heptachlor	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Heptachlor epoxide	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Methoxychlor	ND		0.0510		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Toxaphene	ND		2.04		ug/L		10/13/11 15:44	10/14/11 15:07	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	95		38 - 150				10/13/11 15:44	10/14/11 15:07	1.00
Decachlorobiphenyl	66		10 - 141				10/13/11 15:44	10/14/11 15:07	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: PCS-2S

Lab Sample ID: NUJ1766-04

Date Collected: 10/10/11 15:25

Matrix: Soil

Date Received: 10/13/11 07:40

Percent Solids: 81.3

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
delta-BHC	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
alpha-BHC	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
beta-BHC	ND	RL1	0.0405		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
gamma-BHC (Lindane)	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
alpha-Chlordane	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
gamma-Chlordane	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Chlordane	ND	RL1	0.818		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
4,4'-DDD	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
4,4'-DDE	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
4,4'-DDT	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Dieldrin	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Endosulfan I	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Endosulfan II	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Endosulfan sulfate	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Endrin	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Endrin aldehyde	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Endrin ketone	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Heptachlor	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Heptachlor epoxide	ND	RL1	0.0208		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Methoxychlor	ND	RL1	0.0405		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Toxaphene	ND	RL1	0.818		mg/kg dry	✖	10/15/11 08:19	10/19/11 05:55	10.0
Surrogate									
	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		21 - 145				10/15/11 08:19	10/19/11 05:55	10.0
Decachlorobiphenyl	100		25 - 150				10/15/11 08:19	10/19/11 05:55	10.0

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	81.3		0.500		%		10/17/11 17:00	10/18/11 13:53	1.00

Client Sample ID: PCS-3W

Lab Sample ID: NUJ1766-05

Date Collected: 10/10/11 15:50

Matrix: Water

Date Received: 10/13/11 07:40

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
delta-BHC	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
alpha-BHC	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
beta-BHC	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
gamma-BHC (Lindane)	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
alpha-Chlordane	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
gamma-Chlordane	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Chlordane	ND		3.03		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
4,4'-DDD	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
4,4'-DDE	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
4,4'-DDT	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Dieldrin	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Endosulfan I	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: PCS-3W

Lab Sample ID: NUJ1766-05

Date Collected: 10/10/11 15:50

Matrix: Water

Date Received: 10/13/11 07:40

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Endosulfan sulfate	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Endrin	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Endrin aldehyde	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Endrin ketone	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Heptachlor	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Heptachlor epoxide	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Methoxychlor	ND		0.0505		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Toxaphene	ND		2.02		ug/L		10/13/11 15:44	10/14/11 15:21	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	103		38 - 150				10/13/11 15:44	10/14/11 15:21	1.00
Decachlorobiphenyl	68		10 - 141				10/13/11 15:44	10/14/11 15:21	1.00

Client Sample ID: PCS-3S

Lab Sample ID: NUJ1766-06

Date Collected: 10/10/11 15:55

Matrix: Soil

Date Received: 10/13/11 07:40

Percent Solids: 79

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
delta-BHC	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
alpha-BHC	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
beta-BHC	ND	RL1	0.0411		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
gamma-BHC (Lindane)	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
alpha-Chlordane	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
gamma-Chlordane	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Chlordane	ND	RL1	0.831		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
4,4'-DDD	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
4,4'-DDE	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
4,4'-DDT	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Dieldrin	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Endosulfan I	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Endosulfan II	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Endosulfan sulfate	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Endrin	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Endrin aldehyde	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Endrin ketone	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Heptachlor	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Heptachlor epoxide	ND	RL1	0.0212		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Methoxychlor	ND	RL1	0.0411		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Toxaphene	ND	RL1	0.831		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:10	10.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		21 - 145				10/15/11 08:19	10/19/11 06:10	10.0
Decachlorobiphenyl	120		25 - 150				10/15/11 08:19	10/19/11 06:10	10.0

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	79.0		0.500		%		10/17/11 17:00	10/18/11 13:53	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: PCS-4S

Lab Sample ID: NUJ1766-07

Date Collected: 10/10/11 16:15

Matrix: Soil

Date Received: 10/13/11 07:40

Percent Solids: 80.9

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
delta-BHC	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
alpha-BHC	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
beta-BHC	ND	RL1	0.0402		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
gamma-BHC (Lindane)	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
alpha-Chlordane	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
gamma-Chlordane	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Chlordane	ND	RL1	0.813		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
4,4'-DDD	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
4,4'-DDE	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
4,4'-DDT	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Dieldrin	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Endosulfan I	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Endosulfan II	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Endosulfan sulfate	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Endrin	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Endrin aldehyde	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Endrin ketone	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Heptachlor	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Heptachlor epoxide	ND	RL1	0.0207		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Methoxychlor	ND	RL1	0.0402		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Toxaphene	ND	RL1	0.813		mg/kg dry	✖	10/15/11 08:19	10/19/11 06:24	10.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	100		21 - 145				10/15/11 08:19	10/19/11 06:24	10.0
Decachlorobiphenyl	100		25 - 150				10/15/11 08:19	10/19/11 06:24	10.0

Method: SW-846 - General Chemistry Parameters

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
% Dry Solids	80.9		0.500		%		10/17/11 17:00	10/18/11 13:53	1.00

Client Sample ID: MW-1

Lab Sample ID: NUJ1766-08

Date Collected: 10/11/11 12:10

Matrix: Water

Date Received: 10/13/11 07:40

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
delta-BHC	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
alpha-BHC	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
beta-BHC	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
gamma-BHC (Lindane)	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
alpha-Chlordane	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
gamma-Chlordane	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Chlordane	ND		3.00		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
4,4'-DDD	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
4,4'-DDE	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
4,4'-DDT	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Dieldrin	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Endosulfan I	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: MW-1

Date Collected: 10/11/11 12:10

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-08

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endosulfan II	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Endosulfan sulfate	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Endrin	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Endrin aldehyde	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Endrin ketone	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Heptachlor	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Heptachlor epoxide	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Methoxychlor	ND		0.0500		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Toxaphene	ND		2.00		ug/L		10/13/11 15:44	10/14/11 15:35	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	55		38 - 150				10/13/11 15:44	10/14/11 15:35	1.00
Decachlorobiphenyl	23		10 - 141				10/13/11 15:44	10/14/11 15:35	1.00

Client Sample ID: MW-3

Date Collected: 10/11/11 12:20

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-09

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
delta-BHC	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
alpha-BHC	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
beta-BHC	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
gamma-BHC (Lindane)	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
alpha-Chlordane	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
gamma-Chlordane	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Chlordane	ND		5.45		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
4,4'-DDD	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
4,4'-DDE	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
4,4'-DDT	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Dieldrin	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Endosulfan I	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Endosulfan II	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Endosulfan sulfate	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Endrin	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Endrin aldehyde	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Endrin ketone	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Heptachlor	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Heptachlor epoxide	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Methoxychlor	ND		0.0909		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Toxaphene	ND		3.64		ug/L		10/17/11 10:00	10/18/11 22:17	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	57		38 - 150				10/17/11 10:00	10/18/11 22:17	1.00
Decachlorobiphenyl	60		10 - 141				10/17/11 10:00	10/18/11 22:17	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: MW-6

Date Collected: 10/11/11 12:35

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-10

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
delta-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
alpha-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
beta-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
gamma-BHC (Lindane)	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
alpha-Chlordane	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
gamma-Chlordane	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Chlordane	ND		3.00		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
4,4'-DDD	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
4,4'-DDE	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
4,4'-DDT	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Dieldrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Endosulfan I	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Endosulfan II	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Endosulfan sulfate	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Endrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Endrin aldehyde	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Endrin ketone	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Heptachlor	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Heptachlor epoxide	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Methoxychlor	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Toxaphene	ND		2.00		ug/L		10/17/11 10:00	10/18/11 22:31	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	35	ZX	38 - 150				10/17/11 10:00	10/18/11 22:31	1.00
Decachlorobiphenyl	28		10 - 141				10/17/11 10:00	10/18/11 22:31	1.00

Client Sample ID: MW-2

Date Collected: 10/11/11 12:55

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-11

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
delta-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
alpha-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
beta-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
gamma-BHC (Lindane)	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
alpha-Chlordane	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
gamma-Chlordane	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Chlordane	ND		3.00		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
4,4'-DDD	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
4,4'-DDE	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
4,4'-DDT	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Dieldrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Endosulfan I	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Endosulfan II	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Endosulfan sulfate	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Endrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Endrin aldehyde	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: MW-2

Lab Sample ID: NUJ1766-11

Date Collected: 10/11/11 12:55

Matrix: Water

Date Received: 10/13/11 07:40

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Heptachlor	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Heptachlor epoxide	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Methoxychlor	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Toxaphene	ND		2.00		ug/L		10/17/11 10:00	10/18/11 22:45	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	32	ZX	38 - 150				10/17/11 10:00	10/18/11 22:45	1.00
Decachlorobiphenyl	44		10 - 141				10/17/11 10:00	10/18/11 22:45	1.00

Client Sample ID: MW-4

Lab Sample ID: NUJ1766-12

Date Collected: 10/11/11 13:25

Matrix: Water

Date Received: 10/13/11 07:40

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
delta-BHC	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
alpha-BHC	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
beta-BHC	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
gamma-BHC (Lindane)	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
alpha-Chlordane	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
gamma-Chlordane	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Chlordane	ND		15.0		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
4,4'-DDD	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
4,4'-DDE	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
4,4'-DDT	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Dieldrin	0.950		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Endosulfan I	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Endosulfan II	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Endosulfan sulfate	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Endrin	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Endrin aldehyde	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Endrin ketone	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Heptachlor	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Heptachlor epoxide	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Methoxychlor	ND		0.250		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Toxaphene	ND		10.0		ug/L		10/13/11 15:44	10/17/11 12:47	5.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	80		38 - 150				10/13/11 15:44	10/17/11 12:47	5.00
Decachlorobiphenyl	50		10 - 141				10/13/11 15:44	10/17/11 12:47	5.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: MW-7

Date Collected: 10/11/11 13:45

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-13

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE2

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
delta-BHC	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
alpha-BHC	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
beta-BHC	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
gamma-BHC (Lindane)	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
alpha-Chlordane	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
gamma-Chlordane	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Chlordane	ND		60.0		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
4,4'-DDD	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
4,4'-DDE	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
4,4'-DDT	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Dieldrin	9.20		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Endosulfan I	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Endosulfan II	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Endosulfan sulfate	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Endrin	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Endrin aldehyde	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Endrin ketone	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Heptachlor	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Heptachlor epoxide	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Methoxychlor	ND		1.00		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Toxaphene	ND		40.0		ug/L		10/13/11 15:44	10/18/11 20:37	20.0
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	80		38 - 150				10/13/11 15:44	10/18/11 20:37	20.0
Decachlorobiphenyl	40		10 - 141				10/13/11 15:44	10/18/11 20:37	20.0

Client Sample ID: MW-5

Date Collected: 10/11/11 14:00

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-14

Matrix: Water

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
delta-BHC	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
alpha-BHC	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
beta-BHC	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
gamma-BHC (Lindane)	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
alpha-Chlordane	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
gamma-Chlordane	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Chlordane	ND		3.03		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
4,4'-DDD	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
4,4'-DDE	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
4,4'-DDT	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Dieldrin	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Endosulfan I	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Endosulfan II	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Endosulfan sulfate	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Endrin	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Endrin aldehyde	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00

Client Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: MW-5

Lab Sample ID: NUJ1766-14

Date Collected: 10/11/11 14:00

Matrix: Water

Date Received: 10/13/11 07:40

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B - RE1 (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Endrin ketone	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Heptachlor	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Heptachlor epoxide	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Methoxychlor	ND		0.0505		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Toxaphene	ND		2.02		ug/L		10/17/11 10:00	10/18/11 23:00	1.00
Surrogate	% Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	48		38 - 150				10/17/11 10:00	10/18/11 23:00	1.00
Decachlorobiphenyl	51		10 - 141				10/17/11 10:00	10/18/11 23:00	1.00

QC Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B

Lab Sample ID: 11J3131-BLK1

Matrix: Water

Analysis Batch: U018123

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11J3131_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
delta-BHC	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
alpha-BHC	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
beta-BHC	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
gamma-BHC (Lindane)	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
alpha-Chlordane	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
gamma-Chlordane	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Chlordane	ND		3.00		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
4,4'-DDD	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
4,4'-DDE	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
4,4'-DDT	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Dieldrin	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Endosulfan I	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Endosulfan II	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Endosulfan sulfate	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Endrin	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Endrin aldehyde	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Endrin ketone	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Heptachlor	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Heptachlor epoxide	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Methoxychlor	ND		0.0500		ug/L		10/14/11 06:50	10/14/11 14:10	1.00
Toxaphene	ND		2.00		ug/L		10/14/11 06:50	10/14/11 14:10	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	93		38 - 150	10/14/11 06:50	10/14/11 14:10	1.00
Decachlorobiphenyl	66		10 - 141	10/14/11 06:50	10/14/11 14:10	1.00

Lab Sample ID: 11J3131-BS1

Matrix: Water

Analysis Batch: U018123

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11J3131_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	0.500	0.395	MNR1	ug/L		79	38 - 128
delta-BHC	0.500	0.220	MNR1	ug/L		44	35 - 145
alpha-BHC	0.500	0.475	MNR1	ug/L		95	47 - 136
beta-BHC	0.500	0.505	MNR1	ug/L		101	50 - 140
gamma-BHC (Lindane)	0.500	0.495	MNR1	ug/L		99	50 - 138
alpha-Chlordane	0.500	0.490	MNR1	ug/L		98	49 - 137
gamma-Chlordane	0.500	0.480	MNR1	ug/L		96	46 - 143
4,4'-DDD	0.500	0.480	MNR1	ug/L		96	51 - 150
4,4'-DDE	0.500	0.465	MNR1	ug/L		93	49 - 138
4,4'-DDT	0.500	0.475	MNR1	ug/L		95	33 - 150
Dieldrin	0.500	0.475	MNR1	ug/L		95	49 - 136
Endosulfan I	0.500	0.475	MNR1	ug/L		95	10 - 150
Endosulfan II	0.500	0.465	MNR1	ug/L		93	11 - 150
Endosulfan sulfate	0.500	0.400	MNR1	ug/L		80	43 - 150
Endrin	0.500	0.490	MNR1	ug/L		98	54 - 150
Endrin aldehyde	0.500	0.470	MNR1	ug/L		94	50 - 150
Endrin ketone	0.500	0.505	E MNR1	ug/L		101	50 - 147

QC Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Lab Sample ID: 11J3131-BS1

Matrix: Water

Analysis Batch: U018123

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11J3131_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Heptachlor	0.500	0.420	MNR1	ug/L		84	43 - 146
Heptachlor epoxide	0.500	0.475	MNR1	ug/L		95	50 - 136
Methoxychlor	0.500	0.445	E MNR1	ug/L		89	35 - 150

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	107		38 - 150
Decachlorobiphenyl	82		10 - 141

Lab Sample ID: 11J3131-BS2

Matrix: Water

Analysis Batch: U018123

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11J3131_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlordane	5.00	4.59	MNR1	ug/L		92	49 - 150
Toxaphene	10.0	9.80	MNR1	ug/L		98	34 - 150

Surrogate	LCS % Recovery	LCS Qualifier	Limits
Tetrachloro-meta-xylene	91		38 - 150
Decachlorobiphenyl	61		10 - 141

Lab Sample ID: 11J3290-BLK1

Matrix: Soil

Analysis Batch: U018364

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11J3290_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
delta-BHC	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
alpha-BHC	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
beta-BHC	ND		0.00330		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
gamma-BHC (Lindane)	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
alpha-Chlordane	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
gamma-Chlordane	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Chlordane	ND		0.0667		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
4,4'-DDD	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
4,4'-DDE	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
4,4'-DDT	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Dieldrin	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Endosulfan I	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Endosulfan II	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Endosulfan sulfate	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Endrin	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Endrin aldehyde	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Endrin ketone	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Heptachlor	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Heptachlor epoxide	ND		0.00170		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Methoxychlor	ND		0.00330		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00
Toxaphene	ND		0.0667		mg/kg wet		10/15/11 08:19	10/18/11 20:51	1.00

QC Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Lab Sample ID: 11J3290-BLK1
Matrix: Soil
Analysis Batch: U018364

Client Sample ID: Method Blank
Prep Type: Total
Prep Batch: 11J3290_P

Surrogate	Blank	Blank	Limits	Prepared	Analyzed	Dil Fac
	% Recovery	Qualifier				
Tetrachloro-meta-xylene	88		21 - 145	10/15/11 08:19	10/18/11 20:51	1.00
Decachlorobiphenyl	98		25 - 150	10/15/11 08:19	10/18/11 20:51	1.00

Lab Sample ID: 11J3290-BS1
Matrix: Soil
Analysis Batch: U018364

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11J3290_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	0.0167	0.0130	MNR	mg/kg wet		78	47 - 132
delta-BHC	0.0167	0.00567	MNR	mg/kg wet		34	10 - 149
alpha-BHC	0.0167	0.0123	MNR	mg/kg wet		74	45 - 128
beta-BHC	0.0167	0.0143	MNR	mg/kg wet		86	48 - 135
gamma-BHC (Lindane)	0.0167	0.0127	MNR	mg/kg wet		76	48 - 131
alpha-Chlordane	0.0167	0.0137	MNR	mg/kg wet		82	47 - 134
gamma-Chlordane	0.0167	0.0137	MNR	mg/kg wet		82	48 - 145
4,4'-DDD	0.0167	0.0133	MNR	mg/kg wet		80	46 - 149
4,4'-DDE	0.0167	0.0137	MNR	mg/kg wet		82	48 - 139
4,4'-DDT	0.0167	0.0133	MNR	mg/kg wet		80	24 - 150
Dieldrin	0.0167	0.0133	MNR	mg/kg wet		80	42 - 137
Endosulfan I	0.0167	0.0137	MNR	mg/kg wet		82	10 - 150
Endosulfan II	0.0167	0.0133	MNR	mg/kg wet		80	12 - 150
Endosulfan sulfate	0.0167	0.0117	MNR	mg/kg wet		70	36 - 148
Endrin	0.0167	0.0133	MNR	mg/kg wet		80	46 - 145
Endrin aldehyde	0.0167	0.0140	MNR	mg/kg wet		84	48 - 150
Endrin ketone	0.0167	0.0140	MNR	mg/kg wet		84	43 - 150
Heptachlor	0.0167	0.0133	MNR	mg/kg wet		80	45 - 140
Heptachlor epoxide	0.0167	0.0133	MNR	mg/kg wet		80	47 - 133
Methoxychlor	0.0167	0.0140	MNR	mg/kg wet		84	23 - 150

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
Tetrachloro-meta-xylene	76		21 - 145
Decachlorobiphenyl	94		25 - 150

Lab Sample ID: 11J3290-BS2
Matrix: Soil
Analysis Batch: U018364

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11J3290_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Chlordane	0.167	0.173	MNR	mg/kg wet		104	50 - 150
Toxaphene	0.333	0.417	MNR	mg/kg wet		125	10 - 150

Surrogate	LCS	LCS	Limits
	% Recovery	Qualifier	
Tetrachloro-meta-xylene	81		21 - 145
Decachlorobiphenyl	101		25 - 150

QC Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Lab Sample ID: 11J3934-BLK1

Matrix: Water

Analysis Batch: U018364

Client Sample ID: Method Blank

Prep Type: Total

Prep Batch: 11J3934_P

Analyte	Blank Result	Blank Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
delta-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
alpha-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
beta-BHC	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
gamma-BHC (Lindane)	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
alpha-Chlordane	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
gamma-Chlordane	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Chlordane	ND		3.00		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
4,4'-DDD	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
4,4'-DDE	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
4,4'-DDT	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Dieldrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Endosulfan I	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Endosulfan II	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Endosulfan sulfate	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Endrin	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Endrin aldehyde	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Endrin ketone	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Heptachlor	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Heptachlor epoxide	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Methoxychlor	ND		0.0500		ug/L		10/17/11 10:00	10/18/11 21:34	1.00
Toxaphene	ND		2.00		ug/L		10/17/11 10:00	10/18/11 21:34	1.00

Surrogate	Blank % Recovery	Blank Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-meta-xylene	77		38 - 150	10/17/11 10:00	10/18/11 21:34	1.00
Decachlorobiphenyl	100		10 - 141	10/17/11 10:00	10/18/11 21:34	1.00

Lab Sample ID: 11J3934-BS1

Matrix: Water

Analysis Batch: U018364

Client Sample ID: Lab Control Sample

Prep Type: Total

Prep Batch: 11J3934_P

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	% Rec	% Rec. Limits
Aldrin	0.500	0.330	MNR1	ug/L		66	38 - 128
delta-BHC	0.500	0.190	MNR1	ug/L		38	35 - 145
alpha-BHC	0.500	0.425	MNR1	ug/L		85	47 - 136
beta-BHC	0.500	0.485	MNR1	ug/L		97	50 - 140
gamma-BHC (Lindane)	0.500	0.445	MNR1	ug/L		89	50 - 138
alpha-Chlordane	0.500	0.445	MNR1	ug/L		89	49 - 137
gamma-Chlordane	0.500	0.440	MNR1	ug/L		88	46 - 143
4,4'-DDD	0.500	0.465	MNR1	ug/L		93	51 - 150
4,4'-DDE	0.500	0.450	MNR1	ug/L		90	49 - 138
4,4'-DDT	0.500	0.465	MNR1	ug/L		93	33 - 150
Dieldrin	0.500	0.465	MNR1	ug/L		93	49 - 136
Endosulfan I	0.500	0.470	MNR1	ug/L		94	10 - 150
Endosulfan II	0.500	0.465	MNR1	ug/L		93	11 - 150
Endosulfan sulfate	0.500	0.405	MNR1	ug/L		81	43 - 150
Endrin	0.500	0.470	MNR1	ug/L		94	54 - 150
Endrin aldehyde	0.500	0.480	MNR1	ug/L		96	50 - 150
Endrin ketone	0.500	0.480	MNR1	ug/L		96	50 - 147

QC Sample Results

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Method: SW846 8081B - Organochlorine Pesticides by EPA Method 8081B (Continued)

Lab Sample ID: 11J3934-BS1
Matrix: Water
Analysis Batch: U018364

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11J3934_P

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Heptachlor	0.500	0.365	MNR1	ug/L		73	43 - 146	
Heptachlor epoxide	0.500	0.455	MNR1	ug/L		91	50 - 136	
Methoxychlor	0.500	0.475	MNR1	ug/L		95	35 - 150	
LCS LCS								
Surrogate	% Recovery	Qualifier	Limits					
Tetrachloro-meta-xylene	98		38 - 150					
Decachlorobiphenyl	103		10 - 141					

Lab Sample ID: 11J3934-BS2
Matrix: Water
Analysis Batch: U018364

Client Sample ID: Lab Control Sample
Prep Type: Total
Prep Batch: 11J3934_P

Analyte	Spike Added	LCS LCS		Unit	D	% Rec	% Rec.	
		Result	Qualifier				Limits	
Chlordane	5.00	5.26	MNR1	ug/L		105	49 - 150	
Toxaphene	10.0	14.7	MNR1	ug/L		147	34 - 150	
LCS LCS								
Surrogate	% Recovery	Qualifier	Limits					
Tetrachloro-meta-xylene	102		38 - 150					
Decachlorobiphenyl	95		10 - 141					

Method: SW-846 - General Chemistry Parameters

Lab Sample ID: 11J3893-DUP1
Matrix: Soil
Analysis Batch: 11J3893

Client Sample ID: Duplicate
Prep Type: Total
Prep Batch: 11J3893_P

Analyte	Sample Sample		Duplicate Duplicate		Unit	D	RPD	
	Result	Qualifier	Result	Qualifier			RPD	Limit
% Dry Solids	81.6		82.1		%		0.7	20

QC Association Summary

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Pesticides

Analysis Batch: U018123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J3131-BLK1	Method Blank	Total	Water	SW846 8081B	11J3131_P
11J3131-BS1	Lab Control Sample	Total	Water	SW846 8081B	11J3131_P
11J3131-BS2	Lab Control Sample	Total	Water	SW846 8081B	11J3131_P
NUJ1766-01	PCS-1W	Total	Water	SW846 8081B	11J3131_P
NUJ1766-03	PCS-2W	Total	Water	SW846 8081B	11J3131_P
NUJ1766-05	PCS-3W	Total	Water	SW846 8081B	11J3131_P
NUJ1766-08	MW-1	Total	Water	SW846 8081B	11J3131_P

Analysis Batch: U018228

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
NUJ1766-12 - RE1	MW-4	Total	Water	SW846 8081B	11J3131_P

Analysis Batch: U018364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J3290-BLK1	Method Blank	Total	Soil	SW846 8081B	11J3290_P
11J3290-BS1	Lab Control Sample	Total	Soil	SW846 8081B	11J3290_P
11J3290-BS2	Lab Control Sample	Total	Soil	SW846 8081B	11J3290_P
11J3934-BLK1	Method Blank	Total	Water	SW846 8081B	11J3934_P
11J3934-BS1	Lab Control Sample	Total	Water	SW846 8081B	11J3934_P
11J3934-BS2	Lab Control Sample	Total	Water	SW846 8081B	11J3934_P
NUJ1766-02 - RE1	PCS-1S	Total	Soil	SW846 8081B	11J3290_P
NUJ1766-04 - RE1	PCS-2S	Total	Soil	SW846 8081B	11J3290_P
NUJ1766-06 - RE1	PCS-3S	Total	Soil	SW846 8081B	11J3290_P
NUJ1766-07 - RE1	PCS-4S	Total	Soil	SW846 8081B	11J3290_P
NUJ1766-09 - RE1	MW-3	Total	Water	SW846 8081B	11J3934_P
NUJ1766-10 - RE1	MW-6	Total	Water	SW846 8081B	11J3934_P
NUJ1766-11 - RE1	MW-2	Total	Water	SW846 8081B	11J3934_P
NUJ1766-13 - RE2	MW-7	Total	Water	SW846 8081B	11J3131_P
NUJ1766-14 - RE1	MW-5	Total	Water	SW846 8081B	11J3934_P

Prep Batch: 11J3131_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J3131-BLK1	Method Blank	Total	Water	EPA 3510C	
11J3131-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11J3131-BS2	Lab Control Sample	Total	Water	EPA 3510C	
NUJ1766-01	PCS-1W	Total	Water	EPA 3510C	
NUJ1766-03	PCS-2W	Total	Water	EPA 3510C	
NUJ1766-05	PCS-3W	Total	Water	EPA 3510C	
NUJ1766-08	MW-1	Total	Water	EPA 3510C	
NUJ1766-12 - RE1	MW-4	Total	Water	EPA 3510C	
NUJ1766-13 - RE2	MW-7	Total	Water	EPA 3510C	

Prep Batch: 11J3290_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J3290-BLK1	Method Blank	Total	Soil	EPA 3550C	
11J3290-BS1	Lab Control Sample	Total	Soil	EPA 3550C	
11J3290-BS2	Lab Control Sample	Total	Soil	EPA 3550C	
NUJ1766-02 - RE1	PCS-1S	Total	Soil	EPA 3550C	
NUJ1766-04 - RE1	PCS-2S	Total	Soil	EPA 3550C	
NUJ1766-06 - RE1	PCS-3S	Total	Soil	EPA 3550C	
NUJ1766-07 - RE1	PCS-4S	Total	Soil	EPA 3550C	

QC Association Summary

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Pesticides (Continued)

Prep Batch: 11J3934_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J3934-BLK1	Method Blank	Total	Water	EPA 3510C	
11J3934-BS1	Lab Control Sample	Total	Water	EPA 3510C	
11J3934-BS2	Lab Control Sample	Total	Water	EPA 3510C	
NUJ1766-09 - RE1	MW-3	Total	Water	EPA 3510C	
NUJ1766-10 - RE1	MW-6	Total	Water	EPA 3510C	
NUJ1766-11 - RE1	MW-2	Total	Water	EPA 3510C	
NUJ1766-14 - RE1	MW-5	Total	Water	EPA 3510C	

Extractions

Analysis Batch: 11J3893

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J3893-DUP1	Duplicate	Total	Soil	SW-846	11J3893_P
NUJ1766-02	PCS-1S	Total	Soil	SW-846	11J3893_P
NUJ1766-04	PCS-2S	Total	Soil	SW-846	11J3893_P
NUJ1766-06	PCS-3S	Total	Soil	SW-846	11J3893_P
NUJ1766-07	PCS-4S	Total	Soil	SW-846	11J3893_P

Prep Batch: 11J3893_P

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
11J3893-DUP1	Duplicate	Total	Soil	% Solids	
NUJ1766-02	PCS-1S	Total	Soil	% Solids	
NUJ1766-04	PCS-2S	Total	Soil	% Solids	
NUJ1766-06	PCS-3S	Total	Soil	% Solids	
NUJ1766-07	PCS-4S	Total	Soil	% Solids	

Lab Chronicle

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: PCS-1W

Date Collected: 10/10/11 14:55
Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-01

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C		1.02	11J3131_P	10/13/11 15:44	RCH2	TAL NSH
Total	Analysis	SW846 8081B		1.00	U018123	10/14/11 14:52	WAM	TAL NSH

Client Sample ID: PCS-1S

Date Collected: 10/10/11 15:00
Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-02

Matrix: Soil
Percent Solids: 85.2

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3550C	RE1	0.994	11J3290_P	10/15/11 08:19	JJR	TAL NSH
Total	Analysis	SW846 8081B	RE1	10.0	U018364	10/19/11 05:41	WAM	TAL NSH
Total	Prep	% Solids		1.00	11J3893_P	10/17/11 17:00	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11J3893	10/18/11 13:53	RRS	TAL NSH

Client Sample ID: PCS-2W

Date Collected: 10/10/11 15:20
Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-03

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C		1.02	11J3131_P	10/13/11 15:44	RCH2	TAL NSH
Total	Analysis	SW846 8081B		1.00	U018123	10/14/11 15:07	WAM	TAL NSH

Client Sample ID: PCS-2S

Date Collected: 10/10/11 15:25
Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-04

Matrix: Soil
Percent Solids: 81.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3550C	RE1	0.997	11J3290_P	10/15/11 08:19	JJR	TAL NSH
Total	Analysis	SW846 8081B	RE1	10.0	U018364	10/19/11 05:55	WAM	TAL NSH
Total	Prep	% Solids		1.00	11J3893_P	10/17/11 17:00	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11J3893	10/18/11 13:53	RRS	TAL NSH

Client Sample ID: PCS-3W

Date Collected: 10/10/11 15:50
Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-05

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C		1.01	11J3131_P	10/13/11 15:44	RCH2	TAL NSH
Total	Analysis	SW846 8081B		1.00	U018123	10/14/11 15:21	WAM	TAL NSH

Lab Chronicle

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: PCS-3S

Date Collected: 10/10/11 15:55

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-06

Matrix: Soil

Percent Solids: 79

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3550C	RE1	0.985	11J3290_P	10/15/11 08:19	JJR	TAL NSH
Total	Analysis	SW846 8081B	RE1	10.0	U018364	10/19/11 06:10	WAM	TAL NSH
Total	Prep	% Solids		1.00	11J3893_P	10/17/11 17:00	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11J3893	10/18/11 13:53	RRS	TAL NSH

Client Sample ID: PCS-4S

Date Collected: 10/10/11 16:15

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-07

Matrix: Soil

Percent Solids: 80.9

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3550C	RE1	0.986	11J3290_P	10/15/11 08:19	JJR	TAL NSH
Total	Analysis	SW846 8081B	RE1	10.0	U018364	10/19/11 06:24	WAM	TAL NSH
Total	Prep	% Solids		1.00	11J3893_P	10/17/11 17:00	RRS	TAL NSH
Total	Analysis	SW-846		1.00	11J3893	10/18/11 13:53	RRS	TAL NSH

Client Sample ID: MW-1

Date Collected: 10/11/11 12:10

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-08

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C		1.00	11J3131_P	10/13/11 15:44	RCH2	TAL NSH
Total	Analysis	SW846 8081B		1.00	U018123	10/14/11 15:35	WAM	TAL NSH

Client Sample ID: MW-3

Date Collected: 10/11/11 12:20

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-09

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C	RE1	1.82	11J3934_P	10/17/11 10:00	RCH2	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	U018364	10/18/11 22:17	WAM	TAL NSH

Client Sample ID: MW-6

Date Collected: 10/11/11 12:35

Date Received: 10/13/11 07:40

Lab Sample ID: NUJ1766-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C	RE1	1.00	11J3934_P	10/17/11 10:00	RCH2	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	U018364	10/18/11 22:31	WAM	TAL NSH

Lab Chronicle

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Client Sample ID: MW-2

Lab Sample ID: NUJ1766-11

Date Collected: 10/11/11 12:55

Matrix: Water

Date Received: 10/13/11 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C	RE1	1.00	11J3934_P	10/17/11 10:00	RCH2	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	U018364	10/18/11 22:45	WAM	TAL NSH

Client Sample ID: MW-4

Lab Sample ID: NUJ1766-12

Date Collected: 10/11/11 13:25

Matrix: Water

Date Received: 10/13/11 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C	RE1	1.00	11J3131_P	10/13/11 15:44	RCH2	TAL NSH
Total	Analysis	SW846 8081B	RE1	5.00	U018228	10/17/11 12:47	WAM	TAL NSH

Client Sample ID: MW-7

Lab Sample ID: NUJ1766-13

Date Collected: 10/11/11 13:45

Matrix: Water

Date Received: 10/13/11 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C	RE2	1.00	11J3131_P	10/13/11 15:44	RCH2	TAL NSH
Total	Analysis	SW846 8081B	RE2	20.0	U018364	10/18/11 20:37	WAM	TAL NSH

Client Sample ID: MW-5

Lab Sample ID: NUJ1766-14

Date Collected: 10/11/11 14:00

Matrix: Water

Date Received: 10/13/11 07:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared Or Analyzed	Analyst	Lab
Total	Prep	EPA 3510C	RE1	1.01	11J3934_P	10/17/11 10:00	RCH2	TAL NSH
Total	Analysis	SW846 8081B	RE1	1.00	U018364	10/18/11 23:00	WAM	TAL NSH

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Method Summary

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Method	Method Description	Protocol	Laboratory
SW-846	General Chemistry Parameters		TAL NSH
SW846 8081B	Organochlorine Pesticides by EPA Method 8081B		TAL NSH

Protocol References:

Laboratory References:

TAL NSH = TestAmerica Nashville, 2960 Foster Creighton Road, Nashville, TN 37204, TEL 800-765-0980

Certification Summary

Client: Hart & Hickman (2162)
Project/Site: BDP-005

TestAmerica Job ID: NUJ1766

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Nashville		ACIL		393
TestAmerica Nashville	A2LA	ISO/IEC 17025		0453.07
TestAmerica Nashville	A2LA	WY UST		453.07
TestAmerica Nashville	AIHA	IHLAP		100790
TestAmerica Nashville	Alabama	State Program	4	41150
TestAmerica Nashville	Alaska	Alaska UST	10	UST-087
TestAmerica Nashville	Arizona	State Program	9	AZ0473
TestAmerica Nashville	Arkansas	State Program	6	88-0737
TestAmerica Nashville	CALA	CALA		3744
TestAmerica Nashville	California	NELAC	9	1168CA
TestAmerica Nashville	Colorado	State Program	8	N/A
TestAmerica Nashville	Connecticut	State Program	1	PH-0220
TestAmerica Nashville	Florida	NELAC	4	E87358
TestAmerica Nashville	Illinois	NELAC	5	200010
TestAmerica Nashville	Iowa	State Program	7	131
TestAmerica Nashville	Kansas	NELAC	7	E-10229
TestAmerica Nashville	Kentucky	Kentucky UST	4	19
TestAmerica Nashville	Kentucky	State Program	4	90038
TestAmerica Nashville	Louisiana	NELAC	6	30613
TestAmerica Nashville	Louisiana	NELAC	6	LA100011
TestAmerica Nashville	Maryland	State Program	3	316
TestAmerica Nashville	Massachusetts	State Program	1	M-TN032
TestAmerica Nashville	Minnesota	NELAC	5	047-999-345
TestAmerica Nashville	Mississippi	State Program	4	N/A
TestAmerica Nashville	Montana	MT DEQ UST	8	NA
TestAmerica Nashville	New Hampshire	NELAC	1	2963
TestAmerica Nashville	New Jersey	NELAC	2	TN965
TestAmerica Nashville	New York	NELAC	2	11342
TestAmerica Nashville	North Carolina	North Carolina DENR	4	387
TestAmerica Nashville	North Dakota	State Program	8	R-146
TestAmerica Nashville	Ohio	OVAP	5	CL0033
TestAmerica Nashville	Oklahoma	State Program	6	9412
TestAmerica Nashville	Oregon	NELAC	10	TN200001
TestAmerica Nashville	Pennsylvania	NELAC	3	68-00585
TestAmerica Nashville	Rhode Island	State Program	1	LAO00268
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	South Carolina	State Program	4	84009
TestAmerica Nashville	Tennessee	State Program	4	2008
TestAmerica Nashville	Texas	NELAC	6	T104704077-09-TX
TestAmerica Nashville	USDA	USDA		S-48469
TestAmerica Nashville	Utah	NELAC	8	TAN
TestAmerica Nashville	Virginia	NELAC Secondary AB	3	460152
TestAmerica Nashville	Virginia	State Program	3	00323
TestAmerica Nashville	Washington	State Program	10	C789
TestAmerica Nashville	West Virginia	West Virginia DEP	3	219

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

COOLER RECEIPT



NUJ1766

Cooler Received/Opened On 10/13/2011 @ 0740

1. Tracking # 1638 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 1474056

2. Temperature of rep. sample or temp blank when opened: 0.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) F

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) F

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) F

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

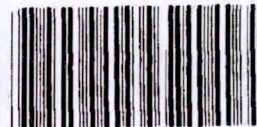
20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) F

I certify that I attached a label with the unique LIMS number to each container (initial) F

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES...NO..#

COOLER REC



NUJ1766

Cooler Received/Opened On 10/13/2011 @ 0740

1. Tracking # 1432 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 1474056

2. Temperature of rep. sample or temp blank when opened: 1.1 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 (front)

5. Were the seals intact, signed, and dated correctly? Not dated. YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) [Signature]

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) [Signature]

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) [Signature]

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) [Signature]

I certify that I attached a label with the unique LIMS number to each container (initial) [Signature]

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#

COOLER RECEIPT FORM

NUJ1766
10/20/11 23:59

Cooler Received/Opened On 10/13/2011 @ 0840

1. Tracking # 1672 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 94660220

2. Temperature of rep. sample or temp blank when opened: 0.7 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler?

YES...NO...NA

If yes, how many and where: 1) Front

5. Were the seals intact, signed, and dated correctly?

YES...NO...NA

6. Were custody papers inside cooler?

YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) FW

7. Were custody seals on containers:

YES NO and Intact

YES...NO...NA

Were these signed and dated correctly?

YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process:

ICE Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)?

YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)?

YES...NO...NA

12. Did all container labels and tags agree with custody papers?

YES...NO...NA

13a. Were VOA vials received?

YES...NO...NA

b. Was there any observable headspace present in any VOA vial?

YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (initial) F

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used

YES...NO...NA

16. Was residual chlorine present?

YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) F

17. Were custody papers properly filled out (ink, signed, etc)?

YES...NO...NA

18. Did you sign the custody papers in the appropriate place?

YES...NO...NA

19. Were correct containers used for the analysis requested?

YES...NO...NA

20. Was sufficient amount of sample sent in each container?

YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) F

I certify that I attached a label with the unique LIMS number to each container (initial) F

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...

Cha NUJ1766
Cus 10/20/11 23 53

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

10/20/2011

TAL-4124 (1007)

Client Harr & Hickman		Project Manager Matt Bramblett		Date 10/11/11	Chain of Custody Number 15-1352
Address 2923 STYON ST. SUE 100		Telephone Number (Area Code)/Fax Number 704-580-0071		Lab Number	
City Charlotte	State NC	Zip Code 28203	Site Contact Gant Barry	Lab Contact	
Project Name and Location (State) Former Wilson Pest Winston Salem, NC			Carrier/Waybill Number		
Contract/Purchase Order/Quote No. BOP-005			Analysis (Attach list if more space is needed)		

Sample I.D. No. and Description (Containers for each sample may be combined on one line)			Date	Time	Air	Aqueous	Sed	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH	802	+ Sample full 11 only +																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
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Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other **Standard 5 day**

1. Relinquished By Gant Barry	Date 10/11/11	Time 07:00	1. Received By Alpha Crawford	Date 10/12/11	Time 17:48
2. Relinquished By Alpha Crawford	Date 10/12/11	Time 16:12	2. Received By Alpha Crawford	Date 10-13-11	Time 07:40
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

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NUJ1766

10/20/11 23:55

Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

10/20/2011

TAL-4124 (1007)

Client

Hart & Hideman

Address

2923 Stager St Ste 100

City

Charlotte

State

NC

Zip Code

28203

Project Name and Location (State)

Former Wilson Best Winston Salem, NC

Contract/Purchase Order/Quote No.

B77.005

Project Manager

Matt Bramblett

Telephone Number (Area Code)/Fax Number

704-586-0007

Site Contact

Grant Barrer

Lab Contact

Carrier/Waybill Number

Date

10/16/11

Chain of Custody Number

10004

Lab Number

Page 2 of 2

Analysis (Attach list if more space is needed)

Special Instructions/
Conditions of Receipt

* Sample full 1.5 lbs
only

1.5 lbs

Sample I.D. No. and Description
(Containers for each sample may be combined on one line)

Date

Time

Matrix

Containers &
Preservatives

Air

Aqueous

Sed

Soil

Unpres.

H2SO4

HNO3

HCl

NaOH

ZnAc

NaOH

1413 MW-7

10/11/11

1345

*

MW-5

10/11/11

1400

*

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal

☐ Return To Client

☒ Disposal By Lab

☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required

☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other standard 5 day

QC Requirements (Specify)

1. Relinquished By

Grant Barrer

Date

10/13/11

Time

0700

1. Received By

Alpha Crawford

Date

10/12/11

Time

14:48

2. Relinquished By

Alpha Crawford

Date

10/12/11

Time

16:12

2. Received By

Date

10-13-11

Time

07:40

3. Relinquished By

3. Received By

[Signature]

Date

10-13-11

Time

07:40

Comments

DISTRIBUTION: WHITE - Returned to Client with Report. CANARY - Stays with the Sample. PINK - Field Copy

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APPENDIX
B

Appendix B

Laboratory Explanation Letter on Chlordane

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

In samples NUJ1766-12 & 13, there is a group of peaks showing up that seem to be associated with the high level of Dieldrin present. Because these peaks show up on the chromatogram at the same retention times as the Chlordane peaks, the presence of Chlordane is masked. At a higher dilution this interference is lessened and the presence of Chlordane can be properly evaluated. Therefore, the data was reported with elevated reporting limits for Chlordane. For future samples submitted from this site, the Lab has added a comment to the Pesticide test code stating that the lowest detection level possible must be obtained for Chlordane.

Sincerely,



KENNETH A. HAYES

Senior Project Manager

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive

Nashville, TN 37204

Tel 615.301.5035 | Fax 615.726.3404